

PATCH TEST PLAN/REPORT ECS System Integration and Test		
Patch IDs:	Patch Installation Date: May 15, 2004 Location/Mode(s): PVC – OPS Mode VATC – TS1 Mode	Lead Engineer: Hao H Nguyen Hung Dinh
NCR Ids/Name (If not shown below): See below.		Patch Footprint: (Affected subsystems)
Test Objectives (Functional/Performance/Regression/Fault Recovery)/New Functionality/Ops Concept(s): The main objective of this test is to verify all NCR for the PATCH_7.00_SYSTEM.04. ECSed38592 – GSFC/SMC – Add LocalGranuleID (FileID) column to DataPool.. ECSed39431 – Tool Needed to Update PIDataTypeMaster Tbl when Subscription Expires ECSed39680 – Cleanup of FTP Pull Area in Synergy IV ECSed39738 – Quick Server failed to detect insufficient disk space when ftp push ECSed39955 – Sybase: Adjust filenames used by EcCoDbSyb_DumpDb ECSed39969 – Wrong action queue ID for Cancelled S3 request ECSed40114 – Hdfeos Servers CORE TS1 ECSed40202 – New DDICT valids needed for GLAS ECSed40209 – the active tape count doesn't get decrement when the granule is cancel ECSed40219 – Ingest DB entry needed for new TES Level 2 data type ECSed40248 – DPM GUI: Need to implement interface for DPL aging parameters ECSed40277 – Partially Transitioned Bands Found During Transition Script Recovery ECSed40281 – Drop 7 Configured to Run 3 MTM Gtwys, EDC uses 8 In OPS ECSed40307 – Rel7_TSP: File size of metadata in pull dir does not match with email no ECSed40312 – 7.00_SYSTEM.01: Requests arriving in OMS from SSS without granules. ECSed40313 – 7.00_SYSTEM.01: FtpPush stats updates are failing due to infinity field ECSed40315 – Improve performance of Staging Disk procs ECSed40317 – OMS FtpPush attempting to ftp wrong file ECSed40320 – GSFC/SMC – Rel7_TS2: ECSGuest Orders arrive with NORMAL Priority instead ECSed40323 – DumpDb/DumpTran jobs should NOT prevent each other ECSed40324 – In Addition to Active FTP, OMS Should Support Passive FTP ECSed40325 – OMS GUI displaying the wrong Completion Time for some request granules. ECSed40332 – DPAD does not recognize certain DPIU race conditions as retries ECSed40338 – Order Manager cored while resuming archive p0drg01 ECSed40340 – OMS GUI: granule box present when granule failed and resubmit ECSed40354 – ProclIsGranReplacementNeeded treats ecsId match inconsistentl ECSed40356 – webaccess: improve spatial search performance ECSed40362 – FrontEnd missing support for ASTER GeoTiff NoReprojection conversion ECSed40363 – After ETE completed in two parts some Checksum types bad in SDSRV DB ECSed40366 – Database script EcOmRemoveOldRequests.ksh should secure password ECSed40369 – Rel7_TS2P: First Gran Failed to Stage in Syn 4 Path ECSed40370 – TS2: Release 7: DORRAN and PDS ECSed40372 – MTMGW not populating requestPriority field in MSS ECSed40373 – OM doesn't immediately dispatch in-cache granules. ECSed40375 – DPL storedproc shouldn't return L7 format1/2 ESDT to OMS ECSed40378 – GSFC/SMC-Spatial Subscription Server is unable to keep up ECSed40379 – Error obtaining data for ECSed40379: ECSed40379: Read permission denied ECSed40386 – GSFC/SMC – Rel7_TS2: Order Manager Server Cored in TS2 ECSed40395 – Stmgt Ftp Client Should give clients the option of checking file size. ECSed40398 – Need Detailed Explanation for Operator Interventions from OmServer ECSed40403 – EcCoModeCleanup script should be included in EcCoMkDeliver ECSed40408 – OmServer stuck because of an auto-suspended request. ECSed40421 – GSFC/SMC – SORCE polling having problems with connectivity		

ECSed40424 – Non-spatial queries using SQS connection
 ECSed40431 – QA Update won't work if DPL Database built from scratch
 ECSed40437 – Change MAC and Linux64 for Toolkit 5.2.11 release
 ECSed40447 – Correct OMS DB iu file to deliver correct DB objects
 ECSed40462 – DataPool Txn log is Invalidated when EcDIIRollupFwFtpLog.pl Run
 ECSed40465 – Webaccess: old threads not die when appl is reloaded thru tomcat web mgr
 ECSed40276 – Order Manager GUI Should Require the Same or Less Work than DDIST GUI
 ECSed40478 – GSFC/SMC - OM GUI Resubmit not working - RequestId resubmit
 ECSed40547 – SYSTEM.05B: The OMS GUI Aging Parameters page is not accessible
 ECSed40353 – OM GUI Should Be Able To Handle Multiple Permissions Scenarios
 ECSed40523 – GSFC/SMC: OMS GUI log infinite growth

Test Location/Modes/Tools:

PVC – OPS Mode
 VATC – TS1 Mode
 And EDF

Test Data:

EDC Data: MODAPS, NOAA, AST_L1A, AST_L1B, L7IGS, AST_EXP, L7 Format 1 and L7 Format 2.
 EOC Data (Tiny Granules): AIR L0, AIRS EXP L0 EXP, AMSU L0, FDD AQUA, DAO, HIRDLS L0, HIRDLS, HIRDLS Higher Level, MLS L0, HSB L0, MLS Higher Level, MODAPS, MODIS L0 AQUA, MODIS L0 TERRA, TERRA AM1ANC, AM1ATTF, GSFC-V0, PMCOGBAD, OMI Level 1 and Level 2 Etc..

Personnel Required

Development POC: W. Jenkins, O. Ogunsuy, M. Tilmes, K. Bugenha, J. Farley, G. Dobbins, C. Pradera, C. Duma, A. Taaheri, Zhao shen, Yang Wenhsing, Nie Xiaabo, Liu YongGang, Yu Zhongfei, Clark Derrick, D. Newman, Sally Jew, O'Brien Mike, Colglazier Harold, Dey Indrani, and Ajayi Elizabeth

NCR Submitter(s) POC:

Other Test Requirements (Personnel, etc.)

None.

Required Completion Date : May 21, 2004

Planned Completion Time/Date: May 21, 2004

Test Approach (By NCR, if applicable) NOTE: Specific NCR verification steps/info should be entered in DDTS, not here.

NCR#	Inputs/Actions:	Outputs/Expected Results:	<u>Pass/Fail/</u> <u>Not Tested</u>	Comments:
38592	1. Run EcDIIRollupFwFtpLog.pl script 2. Login DataPool Database 3. Select * from DIGranuleAccess	Check the result to make sure the filename column is populated.	P	
39431	1. The database is patched & reset without any errors. 2. Verify in the PDPS database that the new column "subscriptionExpDate" has been added to the 3. PIDataTypeMaster table with values defaulting to the current date. The subscription is updated successfully w/o errors. Verify that the "subscriptionExpDate" in the Subscription server GUI	The pdps DB was reset to a previously saved DB used for the EDC 24hour Run. The new column "subscriptionExpDate" was added to the PIDataTypeMaster table with values defaulting to the current date. The DPRs were generated or a routine ASTER PGE.	P	

	and the 4. PIDataTypeMaster table has been updated to one year from current date.	In both places, the subscriptionExpDate had been updated from "May 17 2004" to "May 17 2005"		
39680	<ol style="list-style-type: none"> 1. Bring up OMS GUI, set the DPL retention time for FtpPull request to 0 2. Submit a FtpPull request using the S4 mode to OMS using EcOmSrCliDriverStart driver. 3. Tail the Order Manager log to verify after the request go to shipped state, Order Manager Server should clean up the request and decrement the DHWP. 4. Log into Data Pool database through isql to verify the granule(s) for this request have removed. 5. Check the Data Pool SAN area to verify the files for these granule(s) is removed. 	<p>An AIRHBRAD and a MOD02HKM granules were ordered. I tailed the Order Manager logs step #3. The order got shipped, the ftp pull area got cleanup and the DHWP got decrement. The message in the log file similar to the following: "05/18/04 14:25:26: Thread ID : 447 : OmSrFtpPullPool::DecrementDHWP Removing 0.0218334MB for Cleanup of RequestId=0600003090. New DHWP=0 File=OmSrFtpPullPool.C at line 87 05/18/04 14:25:26: Thread ID : 447 : OmSrFtpPullCleanup(0600003090)::Terminated 05/18/04 14:25:26: Thread ID : 447 : FtpPull Request Cleanup COMPLETE RequestId=0600003090 05/18/04 14:25:26: Thread ID : 447 : OmSrDispatchQueue(PULL_CLEANUP)::Remove PC:0600003090"</p> <p>In Data Pool database, verified the granules are not in DPL database. Check the SAN area, the files got remove from the disk.</p>	P	
39738	<ol style="list-style-type: none"> 1. Filled my /home/awilson/ disk to 96% to use as the destination directory 2. Set the CheckFtpDaemonFileSize = 	Verified in the OM GUI that the order went to Operator Intervention due to the insufficient disk space on the	P	

	<p>ON in the /usr/ecs/TS2/CUSTOM/cfg/ EcOmFtpPush.CFG file on p0acg05 (FtpDaemon host)</p> <ol style="list-style-type: none"> Put an entry into the EcOmFtpPassiveHosts.txt file for the FtpDaemon Host Name being used Submit an FtpPush order for an AST_L1B.001 granule via the EDG to destination host p2dps01 (Has to use a wu-ftp host) Check the OM GUI for the status of the order . I should be in Operator Intervention due to the insufficient disk space on the destination disk Check the destination for the file size of the granule ordered in step 4. Viewed the EcDIQuickServerDebug.log and verified that an entry was logged comparing the file size of the file sent to the actual file on the destination host . Repeat steps 4 – 6 above and tested with the CheckFtpDaemonFileSize = OFF and verify that no entries for Check File Size comparison are logged from the client. Repeat steps 4 – 6 above and test with the Ftp hosts (p0acg05 & p0drg04 as destination), which are not configured for wu-ftp with the CheckFtpDaemonFileSize = ON. In this case the QuickServerDebug.log should log an entry indicating that the SIZE command is unknown. The command should be ignored and the Quick Server should continue processing. 	<p>destination disk Checked the destination directory and saw that the file had a size of 7032, but should have been 101918986. Viewed the EcDIQuickServerDebug .log and verified that an entry was logged comparing the file size of the file sent to the actual file on the destination host. It was clear that the file had been truncated due With the CheckFtpDaemonFileSi ze = OFF , I did not see any entries logged for checking the file size coming from the client. The Ftp hosts (p0acg05 & p0drg04) with the CheckFtpDaemonFileSi ze = ON. The QuickServerDebug.log logged an entry that the SIZE command is Unknown. The command was ignored and the Quick Server continued processing.</p>		
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39955	<p>The following is the typical sybase cron jobs for database administration tasks, including the database backup jobs, database dump and transaction log dump For each database (see /usr/ecs/OPS/CUSTOM/dbms/COM/DBAdmin/EcCoDbSyb_DumpDb And /usr/ecs/OPS/CUSTOM/dbms/COM/DBAdmin/EcCoDbSyb_DumpTran jobs below)</p> <p>e.g., 0 0 * * * /usr/ecs/OPS/CUSTOM/dbms/COM/DBAdmin/EcCoDbSyb_DumpDb > /usr/ecs/OPS/COTS/sybase/sybase_dumps/dumps/EcCoDbSyb_DumpDb.debug 2>&1 0 4,8,12,16,20 * * * /usr/ecs/OPS/CUSTOM/dbms/COM/DBAdmin/EcCoDbSyb_DumpTran >/usr/ecs/OPS/COTS/sybase/sybase_dumps/trans/EcCoDbSyb_DumpTran.debug 2>&1</p> <p>cd /usr/ecs/OPS/CUSTOM/dbms/COM/DBAdmin and Check the fixed scripts EcCoDbSyb_DumpDb and EcCoDbSyb_DumpTran are installed</p>	<p>Compare the output file names from the old and new scripts in the following directories:</p> <p>/usr/ecs/OPS/COTS/sybase/sybase_dumps/dumps /usr/ecs/OPS/COTS/sybase/sybase_dumps/dumps/logs /usr/ecs/OPS/COTS/sybase/sybase_dumps/trans /usr/ecs/OPS/COTS/sybase/sybase_dumps/trans/logs</p> <p>(NOTE: The timestamps of the output file names from the old scripts are NOT consistent with the time they were created)</p> <p>/usr/ecs/OPS/CUSTOM/dbms/COM/DBAdmin p0acg05 {wyang} 24: ll *DumpDb *DumpTran -rw-r--r-- 1 cmops cmops 14284800 Mar 29 11:52 020916_diff_DumpDb_DumpTran -rwxr-xr-x 1 cmops cmops 60066 May 16 19:35 EcCoDbSyb_DumpDb -rwxr-xr-x 1 cmops cmops 60066 May 16 19:35 EcCoDbSyb_DumpTran p0acg05 {wyang} 25: ops</p>	P	
39969	<ol style="list-style-type: none"> 1. Make the OMS run in S3 mode 2. Suspend submission to SDSRV from the OM queue status page of the OM gui 3. Send in some requests 4. When the first request is queued, change the SDSRV database to 	<p>The request was successfully submitted and queued since SDSRV submission was suspended.</p> <p>When the granule was marked DFA and sdsrv</p>	P	

	<p>mark the granule being ordered as DFA update DsMdGranules set DeleteFromArchive = "Y" where dbID = XXXXX</p> <ol style="list-style-type: none"> Resume submission to SDSRV. OMS will soon abort this request. Hit "resubmit" button to the far right to create an operator intervention. Cancel this request in the operator intervention. Mark the granule as not DFA after the request shows up as "Canceled" Status in the OM GUI and MSS DB. Update DsMdGranules set DeleteFromArchive = "N" where dbID = XXXXX 	<p>submission resumed, this request went into "abort" state. The intervention was created successfully and failed. OM server did not keep looping. It went on to process other requests.</p>		
40114	Submitted a fixed scene request via the EDG	The request completed successfully.	P	
40202	<p>Run the following queries in the DMS Database</p> <ol style="list-style-type: none"> Select ECSTermKeyword from DmDdECSTerm where ECSTermKeyword = "Glaciers/IceSheets" Select ECSVariableKeyword from DmDdECSVariable where ECSVariableKeyword = "Glacier Elevation/Ice Sheet Elevation" Select PrimaryKeywordName from DsDdValidMapping where PrimaryKeywordName = "Glacier Elevation/Ice Sheet Elevation" 	<p>Glaciers/Ice Sheets</p> <p>Glacier Elevation/Ice Sheet Elevation</p> <p>Glacier Elevation/Ice Sheet Elevation</p>	P	
40209	<ol style="list-style-type: none"> using the EDG client to send an acquiring request brought up OM Gui click on Distribution Request on the left hand side of the menu wait for request id show up on OM GUI cancel certain request by clicking on Cancel button at the end of the request (Note: Cancelled request 0400101240 in OPS mode in the PVC when it reached the staging state). 	<p>The number of Actions dispatched is still equal to the number of actions that made it to a terminal state. This occurred since receiving the code fix described in the NCR.</p>	P	

40219	<ol style="list-style-type: none"> 1. From command line, logon Ingest database using isql – Sp0icg01_svr –Uingest_role 2. Enter ingest_role password 3. Use Ingest_<MODE> 4. Go 5. Select a.DataType, a.VersionID from InDataTypeTemplate a, InCurrentDataMap b Where a.DataType like “TL2ABSCO%” and a.VersionID = b.VersionID 	TL2ABSCO.001 (1 row affected)	P	Make sure that the /usr/ecs/<MODE>/CUSTOM/dbms/INS/EcInDbESDT_NCR40219.ksh is loaded in the Ingest database. If the EcInDbESDT_NCR40219.ksh is not loaded then run script from command line: EcInDbESDT_NCR40219.ksh MODE USERNAME SERVER DBNAME
40248	<p>DPM GUI: Need to implement interface for DPL aging parameters</p> <p>Use the Aging Parameters tab to set the Aging Step and Max Priority values for one of the configurable ECS priorities</p> <p>Note: The extent of this NCR was just to make sure that the priorities were configurable via the GUI. The actual use of the aging parameters was verified during criteria 211 testing.</p>	Verify that the priorities were set correctly by inspecting the Data Pool database table DIAgingConfig .	P	
40277	<ol style="list-style-type: none"> 1. Log into p2dps01 as cmshared 2. Check the EcDIWebDensityMap.CFG file to insure the VERBOSE is set to 0 3. Copy the EcDIBandSubsettingTransition.txt to a unique file name 4. Edit the unique file name values; SHORT_NAME, VERSION, START_DATE, END_DATE 5. Log into the DataPool database 6. Query the DICollection table to insure the datatype has its convertEnableFlag set to Y. 7. Execute the EcDIBandTransitionStart 	The script runs to completion and a log file is generated, EcDIBandSubsettingTransition.<PID>.log Each granule processed is listed in the log file. The number of granules successfully processed equals the number of granules attempted. The start and stop times are displayed in milliseconds. Number of errors = 0. The average number of seconds per granule does not exceed 1 second. The table has an entry for each granule in the collection that contains band data.	P	

	<p>script</p> <ol style="list-style-type: none"> 8. Examine the contents of the log file note the start and stop time and number of granules processed for the collection. 9. Divide the number of granules by the number of elapsed seconds. 10. Query the DIGranuleHdfObjectsXref table 11. Remove band information from the database for granules that are to be transitioned 12. Clean up the usr/ecs/<MODE>/CUSTOM /logs/bandhdrs directory 13. Execute the EcDlBandTransitionStart script 14. Get the PID for the EcDlBandTransitionStart script 15. Kill the process 16. Get the PID for the script EcDlBandTransition.pl 17. Kill the process 18. Check the contents of usr/ecs/<MODE>/CUSTOM /logs/bandhdrs directory. Note the time stamp on the files. 19. Restart the transition script 20. Check the contents of usr/ecs/<MODE>/CUSTOM /logs/bandhdrs directory. Note the time stamp on the files. <p>Check the datapool database for granules that were transitioned.</p>	<p>Band information is removed All files from the bandhdrs directory are removed.</p> <p>The script starts to run and a log file is generated. The PID is listed. He start script is halted.</p> <p>The perl script is halted. The list of files in the directory returned</p> <p>The script runs to completion A log file is generated.</p> <p>Band information is present for all transitioned granules</p>		
40281	<ol style="list-style-type: none"> 1. Install five instance of MTM gateway using ECS assist. Currently there are only three. 2. Run populate registry tool to populate registry for the last two. DO NOT RUN THE REGISTRY PATCH. 3. Bring up all the gateways using 	<p>The install and populate registry worked fine. The five gateways came up and stayed up. The acquire worked.</p>	P	

	<p>EcCsMtMGatewayAppStart</p> <p>4. Acquire one granule using MtMGateway 4, media format ftp push</p>			
40307	<ol style="list-style-type: none"> 1. Login p0acg05 and bring down the pullmonitor before submitting the ftp pull request. Then 2. Submit a FtpPull request. 3. Change the file size of the transfered file(metadata file). Ie copy another file in. 4. Restart the ftp pull monitor server. 5. The request will fail. The DDIST Gui will show a FileSizeMismatch error. This verifies the ncr. 6. Change the transfered file back to it's original state. 7. Resume the request a the DDIST Gui. It should now continue to completion.. 	<p>Send FtpPull acquire request.</p> <p>Cd /usr/ecs/OPS/CUSTOM/ drp/p0drg04/data/staging/disk/disk78528749</p> <p>Mv SCAST_04.0012000931 335.met SCAST_04.0012000931 335.met.origin</p> <p>Open file SCAST_04.0012000931 335.met</p> <p>Type: this is a test Save this SCAST_04.0012000931 335.met</p> <p>Cd /usr/ecs/OPS/CUSTOM/ utilities</p> <p>Restart the ftp pull monitor server</p> <p>Type EcDsStPullMonitorServerStart OPS</p> <p>Take a look on Distribution Gui The Status Mnemonic states DsESTFileSizeMismatch</p> <p>Cd /usr/ecs/OPS/CUSTOM/ drp/p0drg04/data/staging/disk/disk78528749</p> <p>Cp SCAST_04.0012000931 335.met.origin SCAST_04.0012000931</p>	P	

		335.met 6) cd /usr/ecs/OPS/CUSTOM/ acm/p0acg05/data/PullID isk/user/1371433269601 31TSGKuA check ll -lrt total 13832 drwxrwx--x 10 root cmshared 143 May 18 11:20 ../ -rw-rw-r-- 2 cmshared cmshared 7019246 May 18 11:21 AST_04_001070719990 000000000000 -rw-rw-r-- 2 cmshared cmshared 58091 May 18 13:05 AST_04_001070719990 000000000000.met drwxr-xr-x 2 cmshared cmshared 93 May 18 13:05 .continue to completion.		
40312	<ol style="list-style-type: none"> 1. We run several hours load test in the PVC in which the subscriptions were used, 2. Log on OMS database by using: isql -Sp0acg05_srvr - Uoms_role 3. Enter the passowd 4. Use EcOmDb 5. Go 6. Select R.RequestId from OmRequest R, OmRequestGranule RG where R.RequestId = RG.RequestId having count (RG.GranId = 0) and R.Source like "SSS%" and R.CreationDate = "5/16/2004" 7. Go 	RequestID ===== (0 rows affected)	P	The 5/16/2004 is the starting date of load run testing
40313	<ol style="list-style-type: none"> 1. Submit some FtpPush Orders using the S4 configuration via the EDG 2. Bring up the OM GUI and click on the OM Status Pages/Staging Status /FTP Push Destination 3. Check the status of the Ftp Push orders and autorefresh the screen 	The EcOmOrderManager.A LOG was tailed while viewing the statistics and autorefreshing the page. No error messages were logged for the stats, nor	P	

	<p>every minute</p> <p>4. Check the EcOmOrderManager.ALOG for the OmSrDbInterface::InsertFtpPush Statistics</p>	<p>did I see any references to an "infinite" field.</p>		
40315	<p>Start Performance testing in the PVC using EOC data</p>	<p>We ran a series of three – 16 hour load tests in the PVC in which the new stored procedures were used. The Staging Disk server performed without errors. The performance of the procedures is hard to quantify in the PVC. The Staging Disk server seemed as quick as previous runs. In more controlled Tests within the EDF we experienced a 20% improvement in stored procedure performance.</p>	P	
40317	<p>1 Start EOC 24 hours performance testing with several times but we could not see errors again.</p>	<p>The errors have not re-occured</p>	P	
40320	<p>1. Bring up the EDG and order a few granules</p> <p>2. Tail the OrderManager logs and the VoGateway logs</p> <p>3. Submit the Order and record the RequestID</p> <p>4. Bring up the OM GUI and find the relevant Request</p> <p>5. Click on the RequestID</p>	<p>A MOD000 and 2 AST_L1B granules were ordered. I tailed the OrderManager logs and the VoGateway logs and it indicated that the priorities were set to LOW. In the OM GUI, the relevant RequestID each had a Priority of "LOW" on the "Request Management / Distribution Requests" Screen. In addition, the pull down menu was available to update the priority. I selected each request and verified that the priority was set to "LOW" on the detailed Information Screen and each Priority was consistent with the priority provided by the V0Gateway.</p>	P	

40323	<ol style="list-style-type: none"> 1. Perform DumpDb. 2. Perform another DumpDb. 3. Perform DumpTran. 4. Perform another DumpTran 	<ul style="list-style-type: none"> ▪ Should complete successfully. ▪ Should abort. ▪ Should complete successfully. ▪ Should abort. ▪ 	P	
40324	Configured xserv01 into passive host file. Submitted a FtpPush request for host xserv01 .	On looking at the quick Server logs, entries indicated that passive ftp was used in sending files.	P	
40325	Checked completed order granules in modes dev01 and dev05. Previously, these completed orders were showing a last update time much earlier than the Order completion time.	I observed that this was not occurring any more. For order granules and concurred with O'Brien and Pradeep, that this has been fixed .	P	
40332	<ol style="list-style-type: none"> 1. Get dbIDs from SDSRV Database using sql command below Select a.ShortName, a.VersionID, b.granuleId, b.browseId from DsMdGranules a, DsMdBrowseGranuleXref b Where a.ShortName = "AST_L1B" and a.dbID = b.granuleId and a.VersionID = 3 2. Put granuleId in to file called fileinsert 3. Use this command to insert EcDIBatchInsert.pl OPS –ecs – file fininsert 4. Select ShortName, VersionId, granuleId, ecsId, insertTime from DIGranules where ShortName = "AST_L1B" and VersionId = 3 and insertTime > "May 5 2004" 5. Select ShortName, VersionId, ecsId, status from DIInsertActionQueue where ShortName = "AST_L1B" and 	<ul style="list-style-type: none"> ▪ The list of granuleId and browseId were displayed. ▪ The list of ShortName, VersionId, granuleId, ecsId, and insertTime were displayed ▪ The list ShortName, VersionId, ecsId, and status (COMPLETE) were displayed. 	P	

	VersionId = 3			
40338	<ol style="list-style-type: none"> 1. Bring up Order Manager GUI 2. Go to Order Manager Queue status on the left (navigation toolbar) side of the GUI 3. Suspend archive p0drg01 and click on "save" 4. Now activate archive p0drg01 and click on "save" 	Order Manager GUI comes up, and the resumption of the suspended archive does not core the Order Manager Server.	P	
40340	<ol style="list-style-type: none"> 1. I opened the OMS GUI in DEV05 mode on f3ins01 (I first verified that the latest installation was after the merge date for this NCR – May 17, 2004) 2. Under the Request Management menu, I clicked on Distribution Requests 3. I filtered the Distribution Requests listing to display all requests in all states 4. I selected a Request with multiple granules that was eligible for Resubmission (containing a Resubmit button) 5. I clicked on Resubmit and created an intervention for the Request. This brought me to Open Intervention detail listing 6. I failed a granule by clicking "Fail" next to the granule ID 	<p>The page reloaded and the failed granule was displayed with no textbox to replace the granuleID (this is expected behavior)</p> <p>I was then able to disposition the request – in this case I failed the request</p>	P	
40354	Ensure that there exist two ECS granules in the Data Pool, one with a local granule id and one without. Attempt to batch insert these same granules (with the same ECS id) and the inserts should fail.	After attempting to batch, insert the granules for the 2 nd time the insert utility log reported that the granules were not replaced. Thus this NCR was verified successfully	P	
40356	<ol style="list-style-type: none"> 1. Open web access 2. Click on Set the Order 3. Click on parameter3 4. Click on spatial 5. Click on Set button 6. Chick on Home => 7. Click on DataSert 8. Click on Start Search 9. Find MOD01SS.4 (which is contained more than 30,000 	<p>Show up main page</p> <p>Go back to main page</p> <p>The processing get granules Less than 30 seconds.</p>	P	

	granules	Also login f0dps01 Cd /usr/ecs/DEV02/CUSTOM/logs/ Open EcDIWebaccess.DBUGLOG 2004.05.17-11:00:09.097/[debug][155.157.116.8][E9181DF7EE9D7537027728700F5C6F2C] /SUMMARY DURATION FOR spatial IS: 14 (ms); TEMPTABLE: false the Duration showed up 14(ms)		
40362	<ol style="list-style-type: none"> 1. Startup DataPool GUI 2. Select Web Access 3. From DataPool: Viewing Search Results, select Icon Conversion 4. From DataPool: Converter Diadlog Select GEOTIFT 	<p>OUTPUT_PROJECTION_TYPE = NO_REPROJECTION</p> <p>OUTPUT_TYPE = GEO in prm file. Correct output. See run #409 in TS2 PVC</p>	P	
40363	<ol style="list-style-type: none"> 1. Ingest some science data with checksum(s) 2. Insert granule: <ul style="list-style-type: none"> ▪ Insert science granule ▪ Insert science granule with browse ▪ Insert science granule with PH ▪ Insert science granule with QA 3. Go back to main menu 4. Exit <p>Please make selection => 1 Enter data type => AST_L1B Enter versionID => 1 Enter datafile name (full path) => /home/cmshared/data/AST_L1B.hdf Enter checksum type for this datafile? [y/n] => y Enter checksum type => ECS Enter checksum => 1024 Enter another data file? [y/n] => n Enter data metafile name (full path) => /home/cmshared/data/AST_L1B.met</p>	The GranuleId, Checksum, ChecksumType were displayed.	P	

	<p>2) Run the following select statement:</p> <pre> select b.granuleId, b.Checksum, c.ChecksumType from DsMdGranules a, DsMdFileStorage b, DsMdChecksumTypes c where b.granuleId = 2014452729 and a.dbID = b.granuleId and b.ChecksumTypeID = c.ChecksumTypeID go </pre> <p>3) Verify that the checksum types are present and correct for the ingested granules</p>			
40366	<ol style="list-style-type: none"> 1. Logon a OMS server host (p2acs06) 2. Cd /usr/ecs/<MODE>/CUSTOM/dbms/OMS/scripts 3. Type EcOmRemoveOldRequests.ksh and Press <Return> 	Display <MODE> and <DAYS> and no <PASSWORD>	P	
40369	<ol style="list-style-type: none"> 1. Started the OMS GUI in DEV05 mode on f3ins01 2. Verified that latest installation was after merge date (May 17, 2004) 3. I expanded the OM Configuration menu and clicked on the Media link 4. Under the media type FtpPull, I attempted to change the priority value to 0 (zero). 5. I also attempted to change the value to a letter and to a float, and in both cases returned an error. 6. I changed the value to 1 and to 255, then back to the default of 6, all with success. 7. Upon changing the value to 256 or any value greater than 255 	<p>When I submitted the page, an error was displayed indicating the value must be an integer between 1 and 255. The value was not changed.</p> <p>Error was returned</p>	P	

40370			NT	Forward to EDC
40372	<ol style="list-style-type: none"> 1. Make sure that Order Manager Server and MTMGW are running and the configuration file of MTMGW points to Order Manager rather than SCLI 2. Acquire granule for ftp push using MTMGW and look for the priority in the OMS GUI and the MSS database. 	Priority showed up in both MSS Database and Order Manager GUI for the request.	P	
40373	<ol style="list-style-type: none"> 1. Orders were submitted to the Order Manager for granules that were known to be in amass cache. 2. Log on Order Manager Database to query the DIInsertActionQueue table 	The DIInsertActionQueue table was examined for the inCacheFlag value for those granules. All granules had inCacheFlag = "Y".	P	
40375	Submit a search and order request via the EDG to search for L7 data. Data should be ordered successfully via S3 mode.	Verified that the order went correctly to Order Manager and was subsequently routed to SDSRV in S3 mode	P	
40378			NT	Forward to GSFC
40379	Visually examined the EcNbGUI.log and verified that the passwords are no longer visible	The SSS GUI in the PVC OPS mode was utilized on p2dps01 to update an existing subscription. This action was captured in the EcNbGUI.log file. The line, which corresponds to the ftp password, contained a string of asterisks where the actual password used to be listed. The log file continues to have the permission set at 644, however, because the passwords are no longer visible, this is not problem. The old log should be removed, so that password visible	P	

		before this fix is not accessible.		
40386			NT	Forward to GSFC
40395	<ol style="list-style-type: none"> 1. Filled my /home/awilson/ disk to 96% to use as the destination directory 2. Set the CheckFtpDaemonFileSize = ON in the /usr/ecs/TS2/CUSTOM/cfg/ EcOmFtpPush.CFG file on p0acg05 (FtpDaemon host) 3. Put an entry into the EcOmFtpPassiveHosts.txt file for the FtpDaemon Host Name being used 4. Submit an FtpPush order for an AST_L1B.001 granule via the EDG to destination host p2dps01 (Has to use a wu-ftp host) 5. Check the OM GUI for the status of the order . I should be in Operator Intervention due to the insufficient disk space on the destination disk 6. Check the destination for the file size of the granule ordered in step 4. 7. Viewed the EcDIQuickServerDebug.log and verified that an entry was logged comparing the file size of the file sent to the actual file on the destination host . 8. Repeat steps 4 – 6 above and tested with the CheckFtpDaemonFileSize = OFF and verify that no entries for Check File Size comparison are logged from the client. 9. Repeat steps 4 – 6 above and test with the Ftp hosts (p0acg05 & p0drg04 as destination), which are not configured for wu-ftp with the CheckFtpDaemonFileSize = 	<p>Verified in the OM GUI that the order went to Operator Intervention due to the insufficient disk space on the destination disk</p> <p>Checked the destination directory and saw that the file had a size of 7032, but should have been 101918986.</p> <p>Viewed the EcDIQuickServerDebug.log and verified that an entry was logged comparing the file size of the file sent to the actual file on the destination host. It was clear that the file had been truncated due</p> <p>With the CheckFtpDaemonFileSi ze = OFF , I did not see any entries logged for checking the file size coming from the client. The Ftp hosts (p0acg05 & p0drg04) with the CheckFtpDaemonFileSi ze = ON. The QuickServerDebug.log logged an entry that the SIZE command is Unknown. The command was ignored and the Quick Server continued processing.</p>	P	

	ON. In this case the QuickServerDebug.log should log an entry indicating that the SIZE command is unknown. The command should be ignored and the Quick Server should continue processing.			
40398	A request was submitted for a granule with missing files (files were manually removed from the DPL). The request correctly suspended during the ftp push of the granule.	On the operator intervention page of the GUI , the request suspended explanation was "Transfer failed" instead of "Request Suspended by Operator"	P	
40403	<ol style="list-style-type: none"> 1. Login p0acg05 2. cd /tools/common/ea 3. ll EcCoModeCleanup 	<p>To make sure the new installation new Ea Assist with new date on 05/14/2004</p> <pre>-rwxr-xr-x 1 root daemon 8976 May 14 09:51 EcCoModeCleanup*</pre>	P	
40408	<ol style="list-style-type: none"> 1. Set one of the Ftppush destination RHW = 1, and submit 2 ftppush 2. Request a contains 1 granule that is already in DPL. 3. Request b contains 2 granules (g1 in DPL, g2 is not in DPL, make ftppush password invalid in request b, (select g2 that could fail DPL staging) 	<p>Requests (request a, request b) to the same destination.</p> <p>g1 starts ftppush before request b is promoted to staging (since RHW = 1) and failed ftppush since the invalid password in request b. then after request b is promoted into staging, and g2 got to be submitted to DPL, and failed staging returned, then request b got to be suspended, the g1 is successfully removed from xferlist in request b object, and there is no stuck in OMServer.</p>	P	
40421			NT	Forward to GSFC

40424	<ol style="list-style-type: none"> 1. Log on p0acg05 2. Cd /usr/ecs/<MODE>/CUSTOM/utilities 3. View EcNbActionDriver.pl 	Visually examined the ActionDriver perl script and verified that all non-spatial queries are using the Sybase connection. In addition, performed a functional test of the software in the PVC and it performed without problems.	P	
40431	<p>QA Update won't work if DPL database built from scratch</p> <p>Verify that the stored procedure set for QA Update does not drop the temporary table when the Database is built from scratch.</p> <p>Note: This NCR can only be verified by inspection. However, a regression test of DPL QA Update was run in the PVC OPS mode to ensure stability.</p>	Verified that the stored procedure set did not drop the table. Also verified that QA Update ran successfully when propagating a set of QA updates from ECS to Data Pool.	P	
40437	Installed TOOLKIT, HDF-EOS, and HDF-EOS5 in all platforms, including MAC and linux 64-bit machines and verified that they install correctly before the software is released.	Everything worked as expected	P	
40447	<ol style="list-style-type: none"> 1. Apply the OMS Database patch EcOmDbPatch7119.ksh 2. Look for warning messages on the screen about the patch not existing. 3. cd /usr/ecs/OPS/CUSTOM/.installed/OMS/. 4. Open the EcOmDatabase.iu file Verify that an entry exists for OmValidateUserId.sp for RELB only. 	The OMS DB patch was applied without any warning messages. The OmValidateUserId.sp. entry has been added for the RELB baseline only and commented out in others.	P	
40462	Inspect the indices on the tables used for rollup and verify that they have been added back in to prevent unneeded Data Pool database dumps.	Verified that the indices were added back in correctly.	P	
40465	<ol style="list-style-type: none"> 1. Tomcat should be started 2. Tail log tomcat logfile at: 	When tomcat (DEV05 instance) is running, there	P	

	<ol style="list-style-type: none"> 3. /usr/ecs/OPS/COTS/tomcat-4.1.24_datapool/logs/Catalina.out 4. Check the number of active ajg13 threads 5. Stop one instance of the tomcat 6. Check the thread number again 	are 20 active threads. When the DEV05 instance is stopped, only 10 active threads left.		
40276	Performed a bulk resume and a bulk cancel on those open interventions	I was able to get onto the open interventions page.	P	
40478	<ol style="list-style-type: none"> 1 log into the OMS GUI as a user with Read/Write privileges. 2. Open the Open Interventions page, and ensure that there are available interventions for resubmission. (Expand the filter if necessary, and if all else fails, submit an order through the CLI for a granule which is DFA'd). 3 click on the requestId for the Intervention and assign yourself As the New Worker 4. Scroll down and click on the submit radio button before clicking on the apply button 5. Confirm that you really want to resubmit the request. 6. Verify that the request got resubmitted on the GUI Distribution Requests page. 	Request was successfully resubmitted without error.	P	
40547	<ol style="list-style-type: none"> 1. Log into the OMS GUI as a user with Read/Write privileges. 2. Bring up the Aging Parameters page under the configuration section. 3 confirm that there is no error message displayed and the Aging Parameters can be modified. 	Aging Parameters page was accessible and functional.	P	
40523	<ol style="list-style-type: none"> 1. use mkfile to replace the existing GUI log with a large file over 5MBs in size.(mv EcOmGUI.log EcOmGUI.log_<Timestamp>; Mkfile 10000000 EcOmGUI.log 2 Bring up the OMS GUI and open the Open Interventions page. 3 check back in the /usr/ecs/<MODE>/CUSTOM /WWW/OMS/cgi-bin/logs 	<p>directory and confirm that a new logfile was created.</p> <p>Result: A new log file should be created, and the original should be renamed in the same directory.</p>	P	

40353	<ol style="list-style-type: none"> 1 Check that the OM GUI has been configured for the user you intend to employ the admin tools with – correct it in the OM GUI configuration file if necessary. 2. Bring up the OM GUI and log in with the admin tool user 3 Click to the admin tool page 4 Select the admin tool user from the drop down at the top – click OK when the profile warning pop-up appears 5 change one of the parameters at random to read-only for the admin user 6 switch to that page in the Om Configuration pages and confirm that the parameter is greyed, cannot be modified or reverted by the current user. 	<p>The Admin User can restrict access to configuration parameters.</p> <p>N.B. This is not a complete verification of the functionality included in this NCR fix, thus the verification of this NCR is pushed out to GSFC for completion.</p>	NT	Forward to GSFC
List of Artifacts/Attachments (Procedures/data/etc.):				
Signature of Lead Tester: John Brewster _____			Completion Date: May 21, 2004	